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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/027,038

DATE: 04/30/2002

TIME: 15:35:02

Input Set : A:\10-027038 Sequence Listing.txt

Output Set: N:\CRF3\04302002\J027038.raw

4 <110> APPLICANT: Quirk, S.  
6 <120> TITLE OF INVENTION: Modular peptide-based reagent  
8 <130> FILE REFERENCE: 1443.026US1  
10 <140> CURRENT APPLICATION NUMBER: US 10/027,038  
11 <141> CURRENT FILING DATE: 2001-12-20  
13 <160> NUMBER OF SEQ ID NOS: 34  
15 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 36  
19 <212> TYPE: PRT  
20 <213> ORGANISM: Meleagris gallopavo  
22 <400> SEQUENCE: 1  
23 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp  
24 1 5 10 15  
25 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr  
26 20 25 30  
27 Arg His Arg Tyr  
28 35  
30 <210> SEQ ID NO: 2  
31 <211> LENGTH: 36  
32 <212> TYPE: PRT  
33 <213> ORGANISM: Artificial Sequence  
35 <220> FEATURE:  
36 <223> OTHER INFORMATION: A peptide backbone.  
38 <400> SEQUENCE: 2  
39 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp  
40 1 5 10 15  
41 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Val Val Thr  
42 20 25 30  
43 Arg His Arg Tyr  
44 35  
46 <210> SEQ ID NO: 3  
47 <211> LENGTH: 37  
48 <212> TYPE: PRT  
49 <213> ORGANISM: Artificial Sequence  
51 <220> FEATURE:  
52 <223> OTHER INFORMATION: A peptide backbone.  
54 <400> SEQUENCE: 3  
55 Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu  
56 1 5 10 15  
57 Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val  
58 20 25 30  
59 Thr Arg His Arg Tyr

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60           35  
62 <210> SEQ ID NO: 4  
63 <211> LENGTH: 37  
64 <212> TYPE: PRT  
65 <213> ORGANISM: Artificial Sequence  
67 <220> FEATURE:  
68 <223> OTHER INFORMATION: A peptide backbone.  
70 <400> SEQUENCE: 4  
71 Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu  
72   1               5                           10                       15  
73 Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Cys Val  
74   20              25                           30  
75 Thr Arg His Arg Tyr  
76           35  
78 <210> SEQ ID NO: 5  
79 <211> LENGTH: 36  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Artificial Sequence  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: A peptide backbone.  
86 <400> SEQUENCE: 5  
87 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Ala Pro Val Glu Asp  
88   1               5                           10                       15  
89 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr  
90   20              25                           30  
91 Arg His Arg Tyr  
92           35  
94 <210> SEQ ID NO: 6  
95 <211> LENGTH: 36  
96 <212> TYPE: PRT  
97 <213> ORGANISM: Artificial Sequence  
99 <220> FEATURE:  
100 <223> OTHER INFORMATION: A peptide backbone.  
102 <400> SEQUENCE: 6  
103 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Gly Pro Val Glu Asp  
104   1               5                           10                       15  
105 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr  
106   20              25                           30  
107 Arg His Arg Tyr  
108           35  
110 <210> SEQ ID NO: 7  
111 <211> LENGTH: 4  
112 <212> TYPE: PRT  
113 <213> ORGANISM: Meleagris gallopavo  
115 <400> SEQUENCE: 7  
116 Arg His Arg Tyr  
117   1  
119 <210> SEQ ID NO: 8  
120 <211> LENGTH: 34

RAW SEQUENCE LISTING DATE: 04/30/2002  
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Input Set : A:\10-027038 Sequence Listing.txt  
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121 <212> TYPE: PRT  
122 <213> ORGANISM: Artificial Sequence  
124 <220> FEATURE:  
125 <223> OTHER INFORMATION: A peptide backbone.  
127 <400> SEQUENCE: 8  
128 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp  
129 1 5 10 15  
130 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr  
131 20 25 30  
132 Ala Ala  
135 <210> SEQ ID NO: 9  
136 <211> LENGTH: 37  
137 <212> TYPE: PRT  
138 <213> ORGANISM: Artificial Sequence  
140 <220> FEATURE:  
141 <223> OTHER INFORMATION: A peptide backbone.  
143 <400> SEQUENCE: 9  
144 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp  
145 1 5 10 15  
146 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr  
147 20 25 30  
148 Arg His Arg Tyr Cys  
149 35  
151 <210> SEQ ID NO: 10  
152 <211> LENGTH: 33  
153 <212> TYPE: PRT  
154 <213> ORGANISM: Artificial Sequence  
156 <220> FEATURE:  
157 <223> OTHER INFORMATION: A peptide backbone.  
159 <400> SEQUENCE: 10  
160 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp  
161 1 5 10 15  
162 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr  
163 20 25 30  
164 Cys  
167 <210> SEQ ID NO: 11  
168 <211> LENGTH: 36  
169 <212> TYPE: PRT  
170 <213> ORGANISM: Artificial Sequence  
172 <220> FEATURE:  
173 <223> OTHER INFORMATION: A peptide backbone.  
175 <400> SEQUENCE: 11  
176 Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Gly Pro Val Glu  
177 1 5 10 15  
178 Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Cys Val  
179 20 25 30  
180 Thr Ala Ala Cys  
181 35  
183 <210> SEQ ID NO: 12

**RAW SEQUENCE LISTING** DATE: 04/30/2002  
**PATENT APPLICATION:** US/10/027,038 TIME: 15:35:03

Input Set : A:\10-027038 Sequence Listing.txt  
Output Set: N:\CRF3\04302002\J027038.raw

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184 <211> LENGTH: 111
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: A nucleotide sequence encoding SEQ ID NO:11.
191 <400> SEQUENCE: 12
192 atgtccccga gccagccgac ctatccgggc gatccgggc cggtggaaga tctgatccgc      60
193 ttttatgata acctgcagca gtggctgaac tgcgtgaccg ccgcctgcta g      111
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 132
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: A nucleotide sequence encoding SEQ ID NO:11.
203 <400> SEQUENCE: 13
204 acacaccata tgtccccgag ccagccgacc tatccgggcg atcccgggcc ggtggaagat      60
205 ctgatccgct tttatgataa cctgcagcag tggctgaact gcgtgaccgc cgcctgctag      120
206 ggatccacac ac      132
208 <210> SEQ ID NO: 14
209 <211> LENGTH: 35
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: A peptide backbone.
216 <400> SEQUENCE: 14
217 Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Gly Pro Val Glu Asp
218   1           5           10          15
219 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Cys Val Thr
220     20          25          30
221 Ala Ala Cys
222     35
224 <210> SEQ ID NO: 15
225 <211> LENGTH: 6
226 <212> TYPE: PRT
227 <213> ORGANISM: Bos taurus
229 <400> SEQUENCE: 15
230 Pro Tyr Arg Ile Arg Phe
231   1           5
233 <210> SEQ ID NO: 16
234 <211> LENGTH: 18
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: A portion of the recognition sequence from Bovine
240     Pancreatic Trypsin Inhibitor (PYRIRIF, SEQ ID
241     NO:15) converted into this DNA sequence using E.
242     coli codon usage.
244 <400> SEQUENCE: 16
245 ccgtatcgca tccgcctt

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RAW SEQUENCE LISTING DATE: 04/30/2002  
 PATENT APPLICATION: US/10/027,038 TIME: 15:35:03

Input Set : A:\10-027038 Sequence Listing.txt  
 Output Set: N:\CRF3\04302002\J027038.raw

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247 <210> SEQ ID NO: 17
248 <211> LENGTH: 30
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: SEQ ID NO:16 with flanking Sma I sites.
255 <400> SEQUENCE: 17
256 cccgggcccgt atcgcattccg ctttccccggg 30
258 <210> SEQ ID NO: 18
259 <211> LENGTH: 5
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: A peptide interactive domain.
266 <400> SEQUENCE: 18
267 Tyr Lys Leu Lys Tyr
268 1 5
270 <210> SEQ ID NO: 19
271 <211> LENGTH: 15
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: SEQ ID NO:18 converted into this DNA sequence.
278 <400> SEQUENCE: 19
279 tataaaactga agtat 15
281 <210> SEQ ID NO: 20
282 <211> LENGTH: 27
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: SEQ ID NO:19 with Sma I flanking sequences.
289 <400> SEQUENCE: 20
290 cccgggtata aactgaagta tcccgaaa 27
292 <210> SEQ ID NO: 21
293 <211> LENGTH: 41
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: A peptide-based reagent that combines the SEQ ID
299 NO:15 interactive domain with the SEQ ID NO:11
300 peptide backbone.
302 <400> SEQUENCE: 21
303 Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Pro Tyr Arg Ile Arg
304 1 5 10 15
305 Phe Gly Pro Val Glu Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln
306 20 25 30
307 Trp Leu Asn Cys Val Thr Ala Ala Cys
308 35 40
310 <210> SEQ ID NO: 22

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**VERIFICATION SUMMARY** DATE: 04/30/2002  
PATENT APPLICATION: US/10/027,038 TIME: 15:35:04

Input Set : A:\10-027038 Sequence Listing.txt  
Output Set: N:\CRF3\04302002\J027038.raw